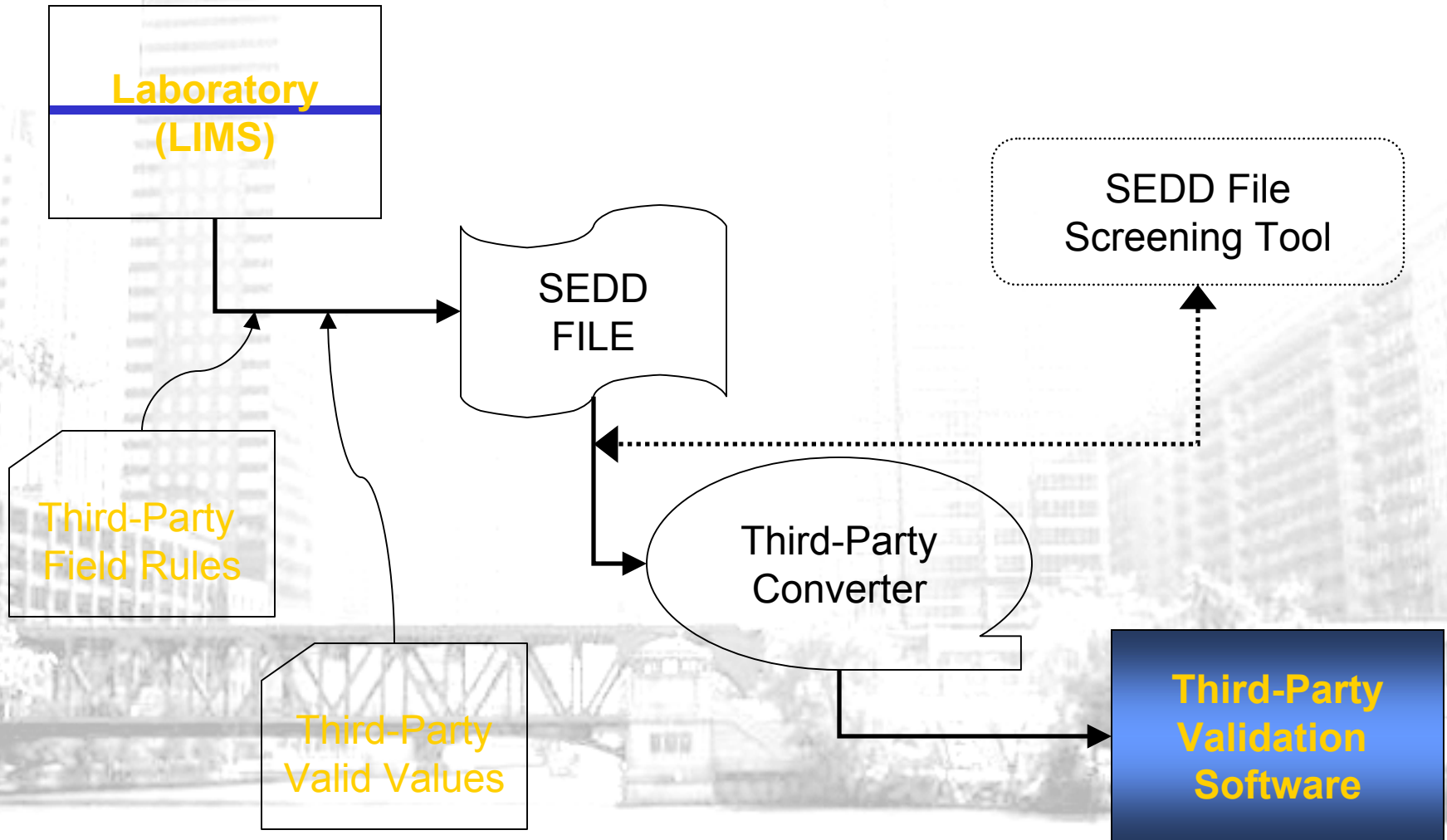# About Promium

- Software vendor specializing in LIM systems for public and private environmental laboratories

- User-base of more than 70 environmental laboratory facilities with over 2,000 individual users on a daily basis

- Operating in EPA Regional Labs 5, 6 and 9 as well as Army Corps of Engineers MRD Lab

- Base LIM system includes a standard EDD library with over 30 common EDD formats *including SEDD.*

SEDD Production

Laboratory (LIMS) → SEDD FILE

Third-Party Field Rules → Laboratory (LIMS)

Third-Party Valid Values → Laboratory (LIMS)

SEDD FILE → Third-Party Converter

Third-Party Converter → Third-Party Validation Software

SEDD File Screening Tool

Programming Observations

- A single, generic DTD for each stage is magnitudes easier to program than analysis-specific or other variable DTDs

- SEDD is usually going to be far more flexible than third-party validation software

- Need to know third-party validation software field rules and any 'quasi-valid values' up front

- Best to deal with regular valid-values (Method, Matrix, Analyte) at the laboratory level

- ACOE Project Managers have other things going on

Future LIMS Objectives

- Incorporate Stage 2b and Stage 3 generic DTDs into our standard EDD library

- Incorporate multiple Valid-Value cross-table databases into the SEDD creation process

- Create an SEDD file format and initial data validation tool for laboratories